

Title (en)

CONJUGATE COMPRISING PHARMACEUTICAL ACTIVE COMPOUND COVALENTLY BOUND TO MUCOADHESIVE POLYMER AND TRANSMUCOSAL DELIVERY METHOD OF PHARMACEUTICAL ACTIVE COMPOUND USING THE SAME

Title (de)

KONJUGAT, UMFASSEND EINE KOVALENT AN EIN MUCOADHÄSIVES POLYMER GEBUNDENE PHARMAZEUTISCH WIRKSAME VERBINDUNG, UND TRANSMUCOSALE VERABREICHUNGSMETHODE FÜR EINE PHARMAZEUTISCH WIRKSAME VERBINDUNG UNTER ANWENDUNG DAVON

Title (fr)

CONJUGUÉ COMPRENANT UN COMPOSÉ PHARMACEUTIQUEMENT ACTIF LIÉ DE FAÇON COVALENTE À UN POLYMÈRE MUCOADHÉSIF ET MÉTHODE D'ADMINISTRATION TRANSMUCOSALE DE COMPOSÉ PHARMACEUTIQUEMENT ACTIF FAISANT APPEL AUDIT CONJUGUÉ

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Application

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Abstract (en)

[origin: WO2007083984A1] Provided is a conjugate comprising a pharmacologically active substance covalently bound to a mucoadhesive polymer and a method for transmucosal delivery of a pharmacologically active substance using the same. Specifically, the present invention is directed to a conjugate comprising a pharmacologically active substance covalently bound via a linker to a mucoadhesive polymer; a pharmaceutical composition for transmucosal administration of a drug, comprising the aforementioned conjugate and a pharmaceutically acceptable carrier; and a method for in vivo delivery of a pharmacologically active substance via a transmucosal route, by covalent binding of the active substance with a mucoadhesive polymer via a linker. The conjugate of the present invention exhibits excellent absorption rate and biocompatibility in biological mucous membranes, particularly mucous membranes of the alimentary canal (especially the gastrointestinal tract), in vivo degradability, and superior bioavailability even with oral administration, thus enabling treatment of diseases via oral administration of a drug.

IPC 8 full level

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